Michael R Deschenes

List of Publications by Year
in descending order

53	8,999	279487	205818
papers	citations	23 h-index	48 g-index

53	53	53	12335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantity and Quality of Exercise for Developing and Maintaining Cardiorespiratory, Musculoskeletal, and Neuromotor Fitness in Apparently Healthy Adults. Medicine and Science in Sports and Exercise, 2011, 43, 1334-1359.	0.2	6,722
2	Effects of Aging on Muscle Fibre Type and Size. Sports Medicine, 2004, 34, 809-824.	3.1	438
3	Performance and Physiologic Adaptations to Resistance Training. American Journal of Physical Medicine and Rehabilitation, 2002, 81, S3-S16.	0.7	222
4	Remodeling of the neuromuscular junction precedes sarcopenia related alterations in myofibers. Experimental Gerontology, 2010, 45, 389-393.	1.2	153
5	Degeneration of Neuromuscular Junction in Age and Dystrophy. Frontiers in Aging Neuroscience, 2014, 6, 99.	1.7	147
6	Motor Unit and Neuromuscular Junction Remodeling with Aging. Current Aging Science, 2011, 4, 209-220.	0.4	128
7	Neural factors account for strength decrements observed after short-term muscle unloading. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R578-R583.	0.9	127
8	Physiological Adaptations to Resistance Exercise. Sports Medicine, 1988, 6, 246-256.	3.1	93
9	Chronobiological effects on exercise performance and selected physiological responses. European Journal of Applied Physiology, 1998, 77, 249-256.	1.2	77
10	Effects of resistance training on neuromuscular junction morphology. Muscle and Nerve, 2000, 23, 1576-1581.	1.0	71
11	Endurance and resistance exercise induce muscle fiber type specific responses in androgen binding capacity. Journal of Steroid Biochemistry and Molecular Biology, 1994, 50, 175-179.	1.2	68
12	The neuromuscular junction: Anatomical features and adaptations to various forms of increased, or decreased neuromuscular activity. International Journal of Neuroscience, 2005, 115, 803-828.	0.8	58
13	Neuromuscular disturbance outlasts other symptoms of exercise-induced muscle damage. Journal of the Neurological Sciences, 2000, 174, 92-99.	0.3	54
14	Adaptations to Short-Term Muscle Unloading in Young and Aged Men. Medicine and Science in Sports and Exercise, 2008, 40, 856-863.	0.2	44
15	Age-related differences in synaptic plasticity following muscle unloading. Journal of Neurobiology, 2003, 57, 246-256.	3.7	41
16	A comparison of the effects of unloading in young adult and aged skeletal muscle. Medicine and Science in Sports and Exercise, 2001, 33, 1477-1483.	0.2	39
17	Biorhythmic influences on functional capacity of human muscle and physiological responses. Medicine and Science in Sports and Exercise, 1998, 30, 1399-1407.	0.2	37
18	Exercise-Induced Hormonal Changes and their Effects upon Skeletal Muscle Tissue. Sports Medicine, 1991, 12, 80-93.	3.1	34

#	Article	IF	Citations
19	Gender influences neuromuscular adaptations to muscle unloading. European Journal of Applied Physiology, 2009, 105, 889-897.	1.2	33
20	Presynaptic to postsynaptic relationships of the neuromuscular junction are held constant across age and muscle fiber type. Developmental Neurobiology, 2013, 73, 744-753.	1.5	32
21	Neuromuscular junction degeneration in muscle wasting. Current Opinion in Clinical Nutrition and Metabolic Care, 2016, 19, 1.	1.3	32
22	Effect of resistance training on neuromuscular junctions of young and aged muscles featuring different recruitment patterns. Journal of Neuroscience Research, 2015, 93, 504-513.	1.3	31
23	Effects of Gender on Physiological Responses during Submaximal Exercise and Recovery. Medicine and Science in Sports and Exercise, 2006, 38, 1304-1310.	0.2	30
24	Factors relating to gender specificity of unloadingâ€induced declines in strength. Muscle and Nerve, 2012, 46, 210-217.	1.0	25
25	The Neuromuscular Junction. Sports Medicine, 1994, 17, 358-372.	3.1	24
26	The Effects of Sarcopenia on Muscles with Different Recruitment Patterns and Myofiber Profiles. Current Aging Science, 2013, 6, 266-272.	0.4	21
27	Neuromuscular adaptations to spaceflight are specific to postural muscles. Muscle and Nerve, 2005, 31, 468-474.	1.0	20
28	Adaptations of the neuromuscular junction to exercise training. Current Opinion in Physiology, 2019, 10, 10-16.	0.9	20
29	Aged Men Experience Disturbances in Recovery Following Submaximal Exercise. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 63-71.	1.7	18
30	Neuromuscular adaptability of male and female rats to muscle unloading. Journal of Neuroscience Research, 2018, 96, 284-296.	1.3	17
31	Recovery of neuromuscular junction morphology following 16 days of spaceflight. Synapse, 2001, 42, 177-184.	0.6	16
32	Unlike myofibers, neuromuscular junctions remain stable during prolonged muscle unloading. Journal of the Neurological Sciences, 2003, 210, 5-10.	0.3	16
33	Muscle fibers and their synapses differentially adapt to aging and endurance training. Experimental Gerontology, 2018, 106, 183-191.	1.2	13
34	Effects of exercise training on neuromuscular junctions and their active zones in young and aged muscles. Neurobiology of Aging, 2020, 95, 1-8.	1.5	13
35	Adaptive Remodeling of the Neuromuscular Junction with Aging. Cells, 2022, 11, 1150.	1.8	13
36	Achieving Acetylcholine Receptor Clustering in Tissue-Engineered Skeletal Muscle Constructs In vitro through a Materials-Directed Agrin Delivery Approach. Frontiers in Pharmacology, 2016, 7, 508.	1.6	12

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37	Aged men display blunted biorhythmic variation of muscle performance and physiological responses. Journal of Applied Physiology, 2002, 92, 2319-2325.	1.2	9
38	The effects of pre-habilitative conditioning on unloading-induced adaptations in young and aged neuromuscular systems. Experimental Gerontology, 2012, 47, 687-694.	1.2	9
39	The Neuromuscular Junction: Structure, Function, and its Role in the Excitation of Muscle. Journal of Strength and Conditioning Research, 1994, 8, 103.	1.0	9
40	Chronic Resistance Training Does Not Ameliorate Unloading-Induced Decrements in Neuromuscular Function. American Journal of Physical Medicine and Rehabilitation, 2017, 96, 549-556.	0.7	6
41	Both aging and exercise training alter the rate of recovery of neuromuscular performance of male soleus muscles. Biogerontology, 2019, 20, 213-223.	2.0	6
42	A comparison of physiological variables in aged and young women during and following submaximal exercise. American Journal of Human Biology, 2009, 21, 836-843.	0.8	5
43	The Efficacy of Prehabilitative Conditioning. American Journal of Physical Medicine and Rehabilitation, 2009, 88, 136-144.	0.7	5
44	Gender-specific neuromuscular adaptations to unloading in isolated rat soleus muscles. Muscle and Nerve, 2016, 54, 300-307.	1.0	5
45	The role of the neuromuscular junction in sarcopenia. , 2021, , 59-80.		2
46	Sensitivity of subcellular components of neuromuscular junctions to decreased neuromuscular activity. Synapse, 2021, 75, e22220.	0.6	1
47	Juvenile Neuromuscular Systems Show Amplified Disturbance to Muscle Unloading. Frontiers in Physiology, 2021, 12, 754052.	1.3	1
48	Myocardial SIRT1 expression following endurance and resistance exercise training in young and old rats. FASEB Journal, 2008, 22, 753.1.	0.2	1
49	Neuromuscular adaptations to exercise and aging. Experimental Gerontology, 2022, 160, 111712.	1.2	1
50	When size really does matter. Journal of Physiology, 2007, 579, 567-567.	1.3	0
51	Aging obviates sexâ€specific physiological responses to exercise. American Journal of Human Biology, 2013, 25, 215-221.	0.8	0
52	Sensitivity of neuromuscular junctions to unloading and preâ€habilitation. FASEB Journal, 2009, 23, 955.15.	0.2	0
53	Contrasting Effects of Age on Muscle Contractility in Male and Female Rats. FASEB Journal, 2022, 36, .	0.2	0